

SUSTAINABILITY INITIATIVE

Building Community to Make Life Better



February 2015

Why Sustainability Matters

- Environmental
- Economic
- Community



Sustainability Progress

Energy

- 6.1 Megawatts of Solar
- Upgrades to 42,000 streetlights
- Building and facility upgrades
- 6 LEED certified buildings



Sustainability Progress

Water

- Synthetic turf desert landscaping
- Treated wastewater returned to Lake Mead



Recycling and Waste

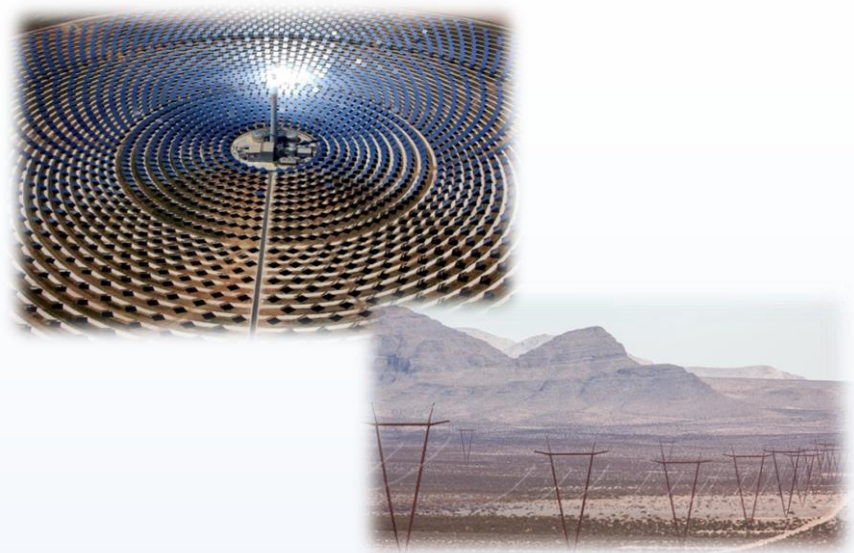
- Single Stream recycling
- 100% Facility participation



Community Progress

Energy

- 25% Renewable Portfolio Standard by 2025
- Elimination of coal
- Leading state in LEED buildings per capita



Water

- More than 40 billion gallons conserved despite population increase of 400,000

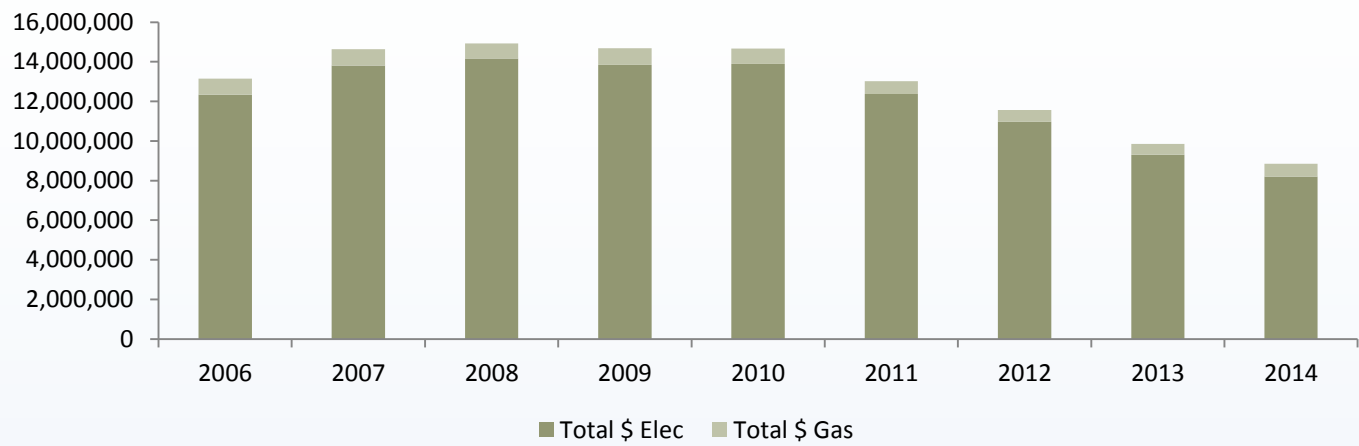
Recycling

- 30 – 40% community recycling rate

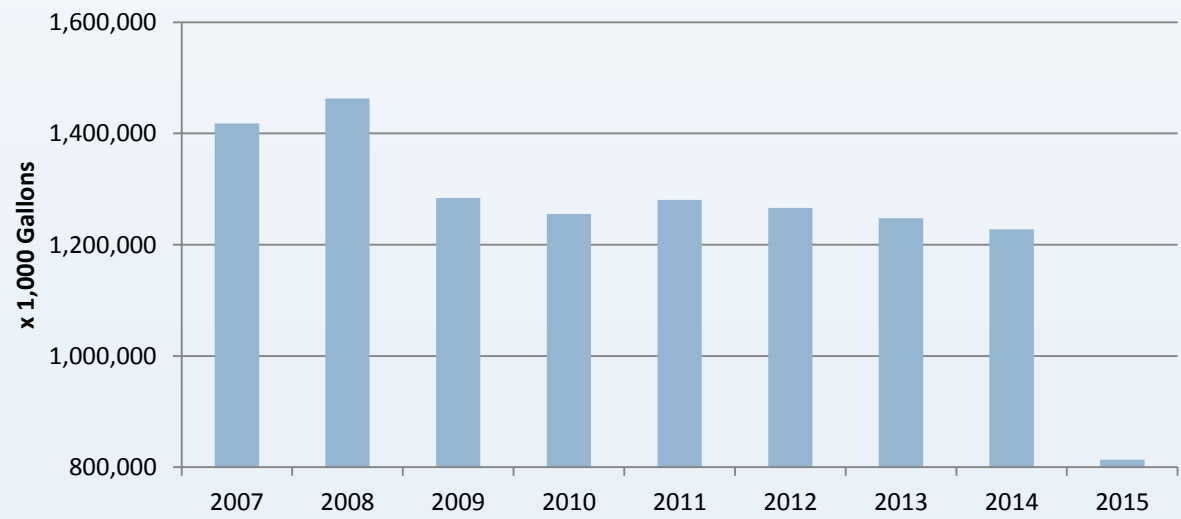


Sustainability Results

Total Energy Costs



Total Water Consumption



Sustainability for Commercial / Special Uses

- Estimated interior agricultural production usage scenario
 - 1 plant ~ 1 gallon / day
 - Denver Water
 - 1 4 x 4 x 8 module ~ 35 kWh / day
 - Mills, Evan (2012)

Sustainability for Commercial / Special Uses

- Estimated interior agricultural production water usage scenario
 - LVVWD Commercial rate for 1 inch meter
 - \$14.64 monthly service charge
 - Rate per 1,000 gallons
 - 0 – 12,500 gallons = \$1.16
 - 12,501 – 25,000 = \$2.08
 - 25,001 – 75,000 = \$3.09
 - 75,000 gallons + = \$4.58
 - SNWA commodity/infrastructure charge / other fees
 - http://www.lvvwd.com/custserv/billing_rates_thresholds.html

Sustainability for Commercial / Special Uses

- Estimated interior agricultural production energy usage scenario
 - NV Energy Commercial rate (General Service)
 - \$27.50 monthly service charge
 - Consumption rate ~\$0.075 / kWh
 - \$753.90 for 10,000 kWh
 - Additional flat/usage charges and fees
 - https://www.nvenergy.com/brochures_arch/rate_schedules/np_com_rate.pdf

Sustainability for Commercial / Special Uses

- Estimated interior agricultural production energy usage scenario
 - NV Energy Large Commercial rate (LGS-2) – Rates are variable
 - \$193.10 monthly service charge
 - \$3.14 demand charge, per kW
 - \$13.35 demand charge (summer on-peak)
 - Consumption rate ~\$0.093 / kWh (summer on peak)
 - \$931.50 for 10,000 kWh
 - Consumption rate ~\$0.06 / kWh (winter)
 - Additional flat/usage charges and fees
 - https://www.nvenergy.com/brochures_arch/rate_schedules/np_com_rate.pdf

Sustainability Strategies for Commercial / Special Uses

Energy

- Monitor energy consumption
- Energy efficient lighting (LED or fluorescent) and controls
- ENERGY STAR rated equipment
- Daylighting: reduces lighting energy consumption
- Efficient HVAC equipment and controls
- Seal the building envelope

Water

- Monitor water consumption
- Educate staff on conservation
- Indoor and outdoor water conservation (emitters, time, flow rate)
- Keep contaminated water out of sewer and storm drain

Recycling and Waste

- Single stream recycling
- Ensure safe disposal of hazardous wastes

Additional Resources



- Customer service [contact](#) information
 - <http://www.nvenergy.com>
 - 702.402.5554
- Start, stop, or transfer service for [businesses](#).
- [MyAccount](#), finding [billing, rates and service fee](#) information; [Smart meter](#) information
- Energy efficiency savings tips for [businesses](#), as well as [business incentives](#) for air conditioning ([Cool Share](#) and [CheckMe Plus](#)), [lighting](#), heating, programmable thermostats ([mPowered](#)), and [Sure Bet](#).
- NV Energy's [RenewableGenerations](#) rebate programs

Additional Resources



- Customer service [contact](#) information
 - www.swgas.com
 - 1-877-860-6020
- Start, stop, or transfer service for [business](#).
- [MyAccount](#), finding [billing](#), [rates](#) and service fee information
- Learn how natural gas [can save you money](#) for your [business](#), as well as find specific ideas and [rebates](#), including installing a [solar hot water system](#)

Additional Resources



- Customer service [contact](#) information
 - www.lvvwd.com for water service
 - www.snwa.com for conservation
 - 702.870.4194
- Setting up [service](#) for your business, or [stopping service](#).
- [Making a payment](#), find [billing](#), [rates](#) and service fee information
- LVVWD [Service Rules](#)
- Participate in SNWA [Incentive and Rebate](#) programs to save water

Additional Resources



- Customer service [contact](#) information
 - www.republicservicesvegas.com
 - 702.735.5151
- Start services for [businesses](#)
- Disposal of [hazardous waste](#), bulk and electronic waste at a transfer station.
- [Making a payment](#) or setting up an account for your business.



Thank you

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